

Product datasheet for RC235346

ZSWIM8 (NM_001242488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSWIM8 (NM_001242488) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSWIM8
Synonyms:	KIAA0913
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC235346 representing NM_001242488 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGAGCTGATGTTTGCAGAGTGGGAGGACGGAGAGCGCTTCTCATTGAGGATTCGGACCGTTTTGAGG
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CTCGGCCAGGTGCCTCCCGCTCTGGGGCCTGGAGGAATCCCGGGACCGGCCCGACCCCTTCTACTGA
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Protein Sequence:

>RC235346 representing NM_001242488
 Red=Cloning site Green=Tags(s)

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 CGLRRLCECDPECPQRLLPDAHGHDAVQRHPTEPQAQQTQDQGAVAAGLTRDGHLLPLSLSPLSYTGTA
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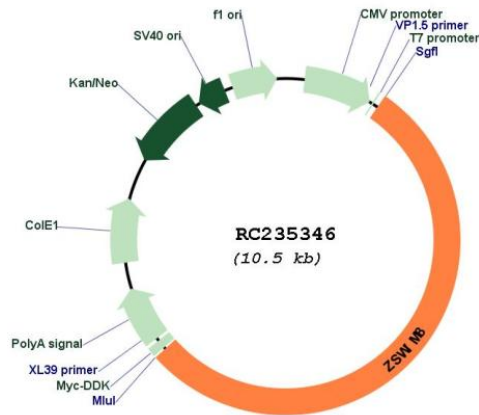
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242488
 ORF Size: 5676 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001242488.2
RefSeq Size:	5970 bp
RefSeq ORF:	5679 bp
Locus ID:	23053
UniProt ID:	A7E2V4
Cytogenetics:	10q22.2
MW:	202 kDa
Gene Summary:	Substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex that promotes target-directed microRNA degradation (TDMD), a process that mediates degradation of microRNAs (miRNAs) (PubMed:33184234, PubMed:33184237). The SCF-like E3 ubiquitin-protein ligase complex acts by catalyzing ubiquitination and subsequent degradation of AGO proteins (AGO1, AGO2, AGO3 and/or AGO4), thereby exposing miRNAs for degradation (PubMed:33184234, PubMed:33184237). Specifically recognizes and binds AGO proteins when they are engaged with a TDMD target (PubMed:33184234). May also acts as a regulator of axon guidance: specifically recognizes misfolded ROBO3 and promotes its ubiquitination and subsequent degradation (PubMed:24012004).[UniProtKB/Swiss-Prot Function]